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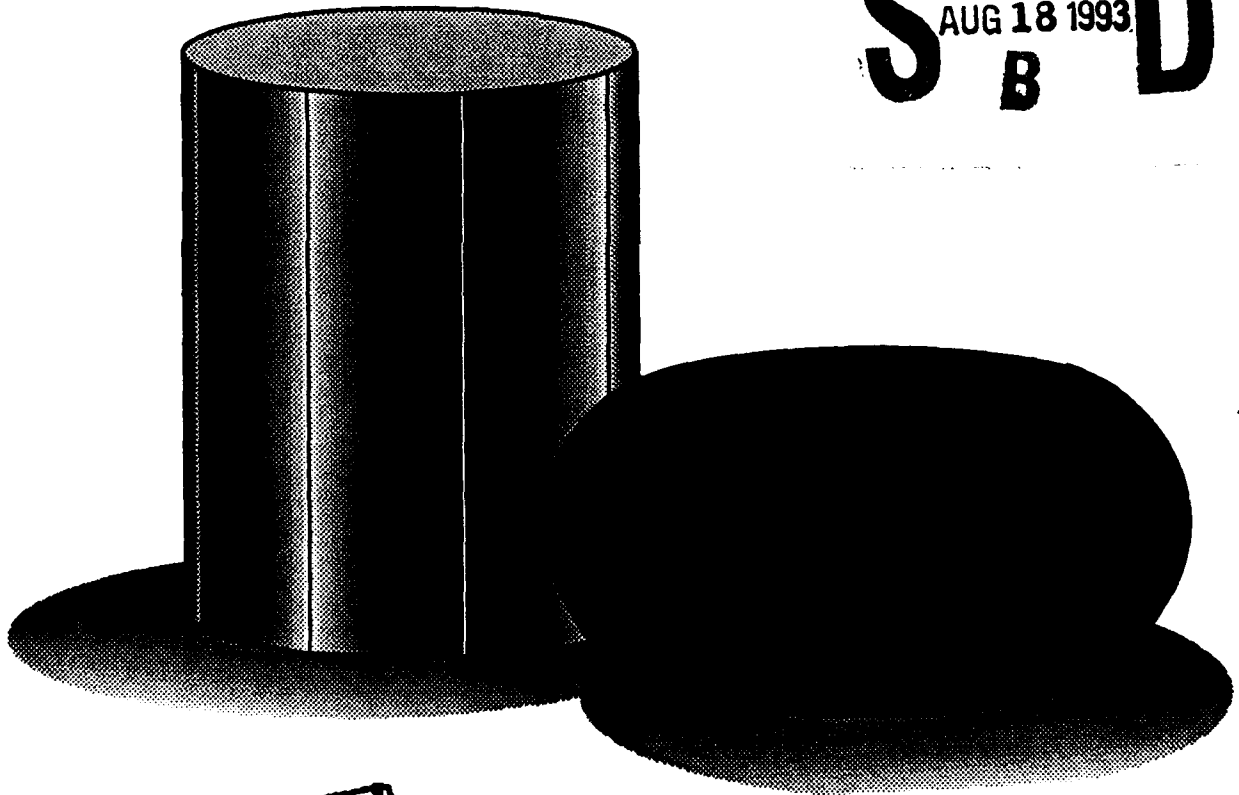


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Atlas of Formability

Cast Aluminum 6063
Flow Stress Curves

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In this investigation, flow behavior of Aluminum 6063 alloy was studied by conducting compression tests over a wide range of temperatures and strain rates. Stress-strain curves were recorded for each test condition. These data are essential in metalworking process design or finite element analysis of high temperature deformation.

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CAST ALUMINUM 6063**

by

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for

**Naval Industrial Resource Support Activity
Building 75-2, Naval Base
Philadelphia, PA 19112-5078**

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The views, opinions, and/or findings contained in this report are those of the authors and should not be construed as an official Department of the Navy position, policy, or decision, unless so designated by other documentation

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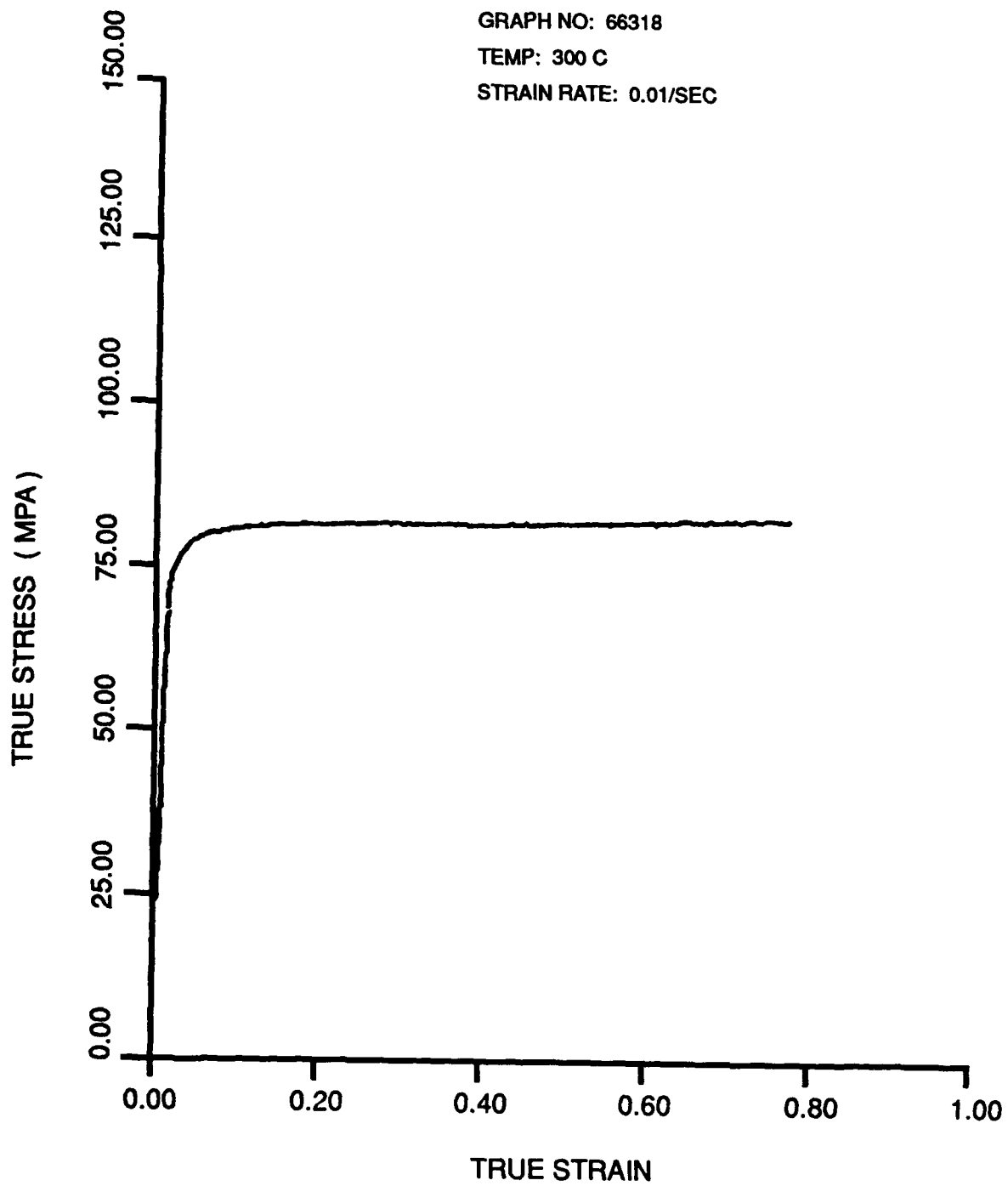
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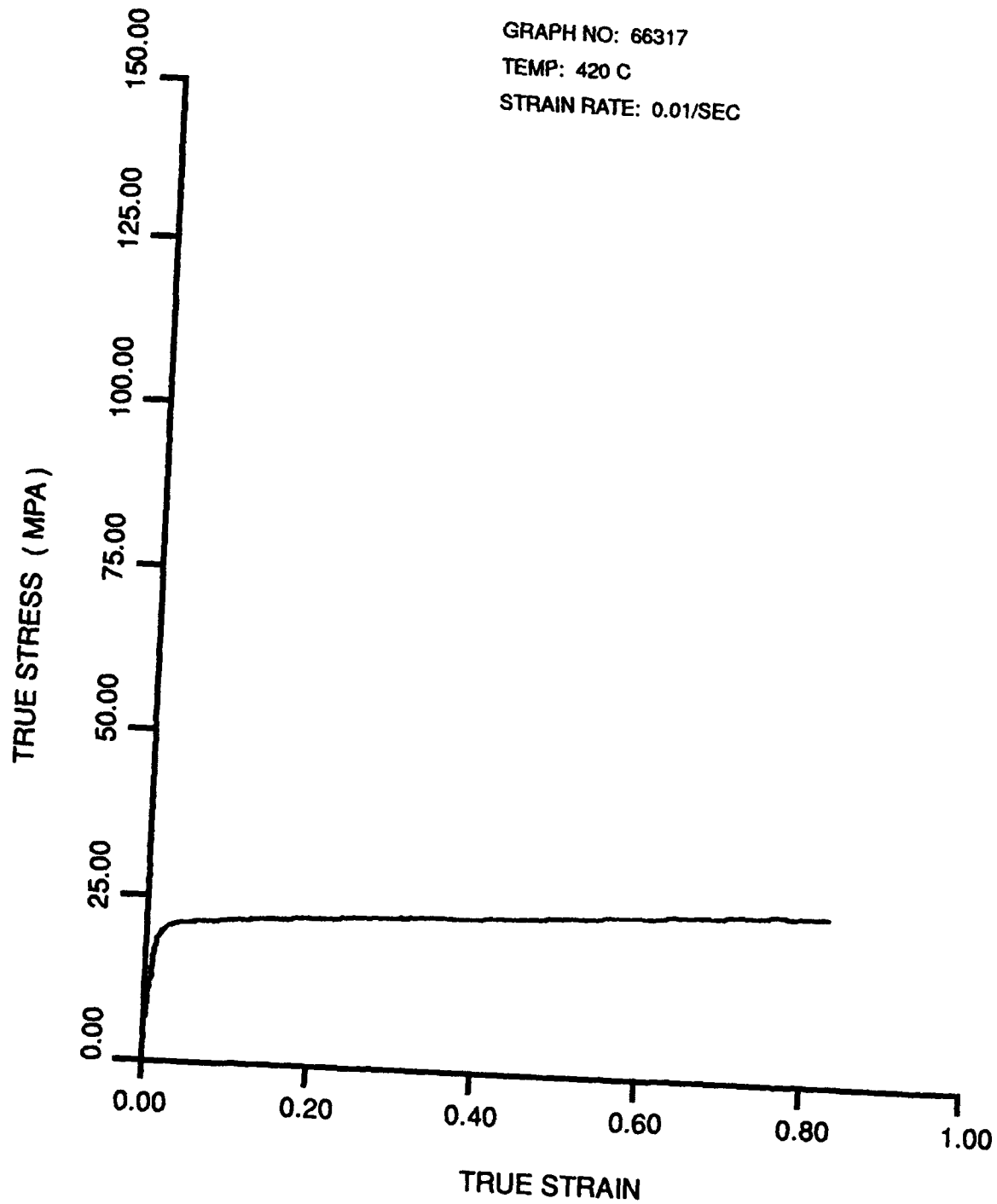
Cast Aluminum 6063

Testing Parameters

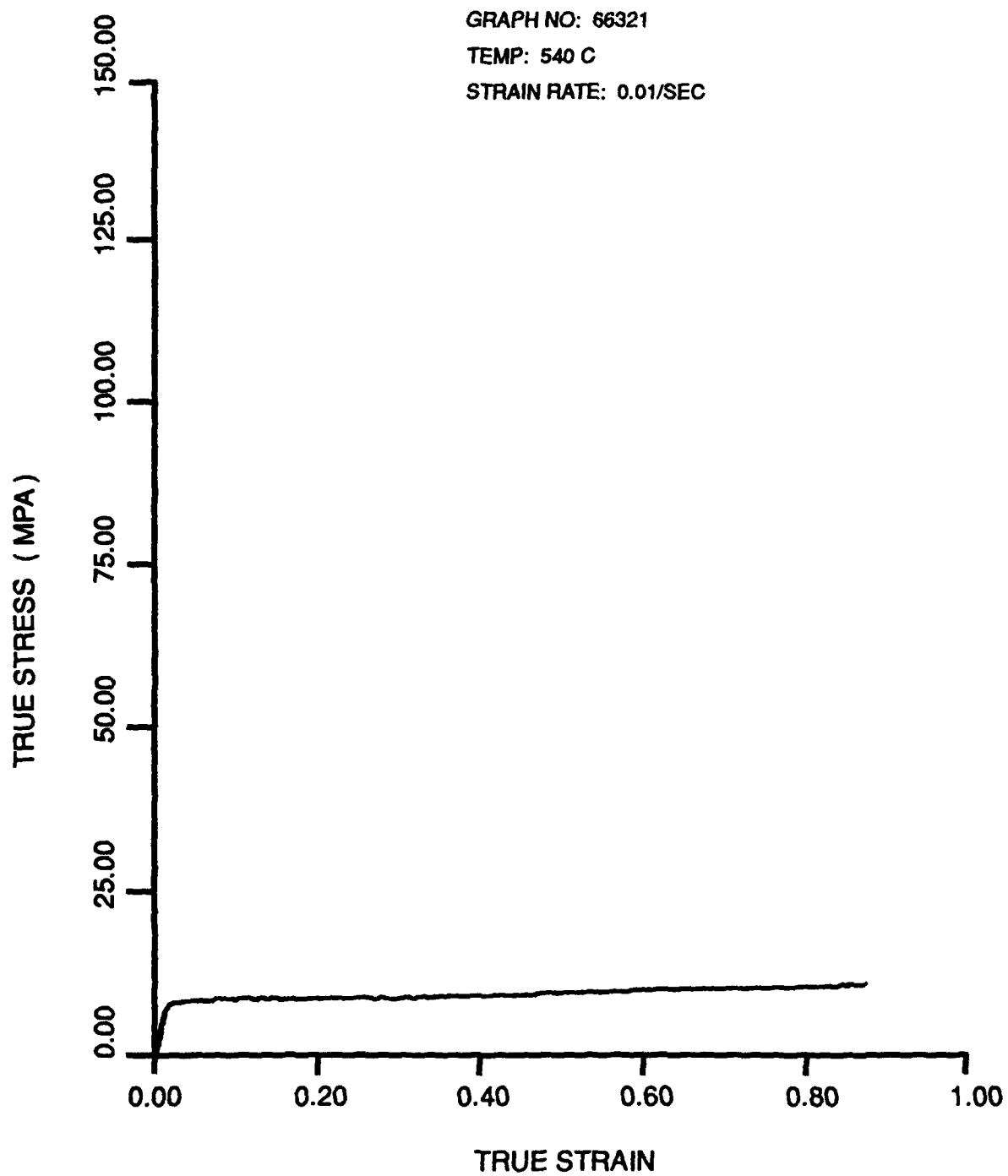
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1.0	420	66309	8
1.0	480	66316	9
1.0	540	66313	10
1.0	300, 420, 540	66323	11
5.0	360	66301	12
5.0	480	66302	13
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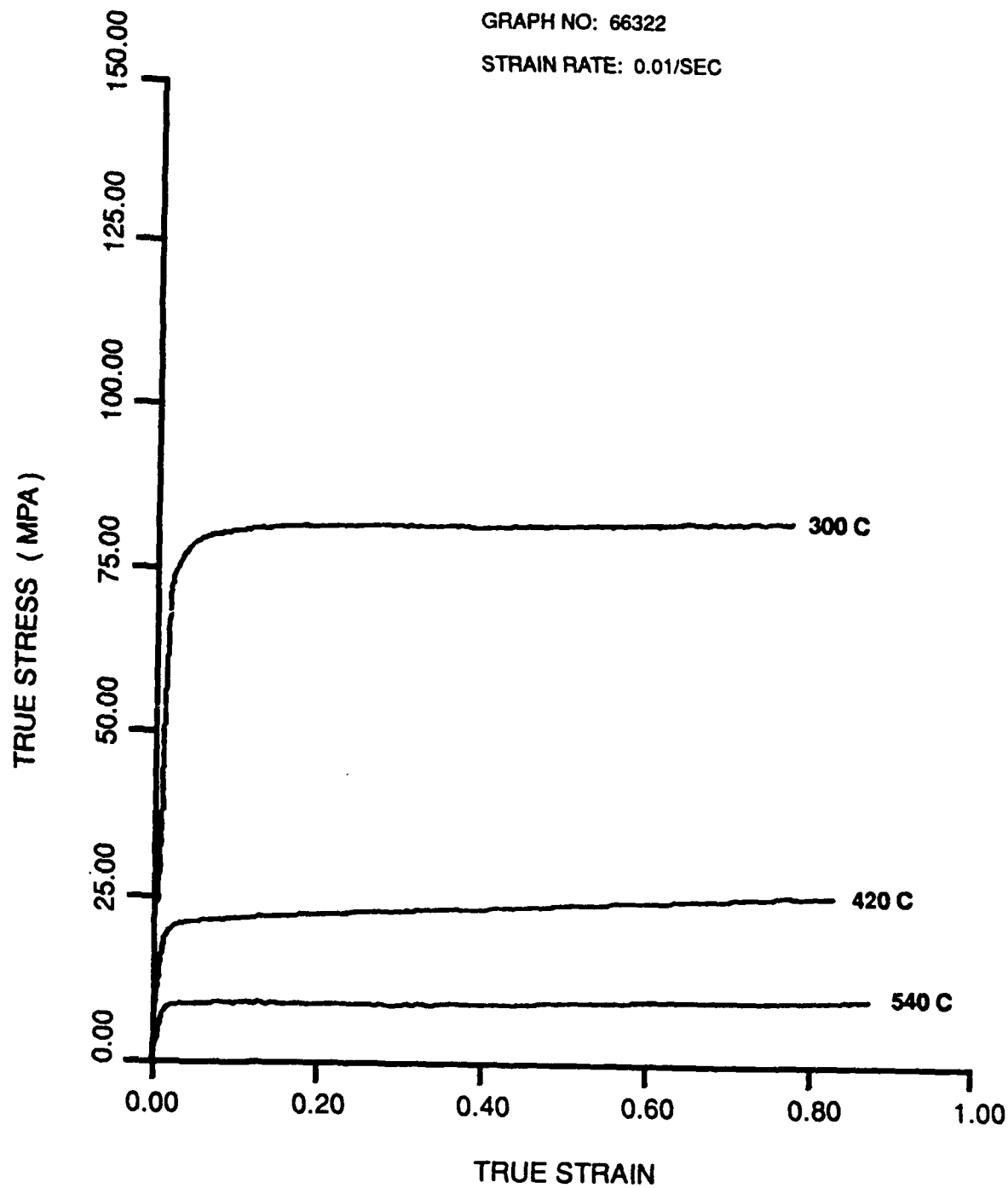
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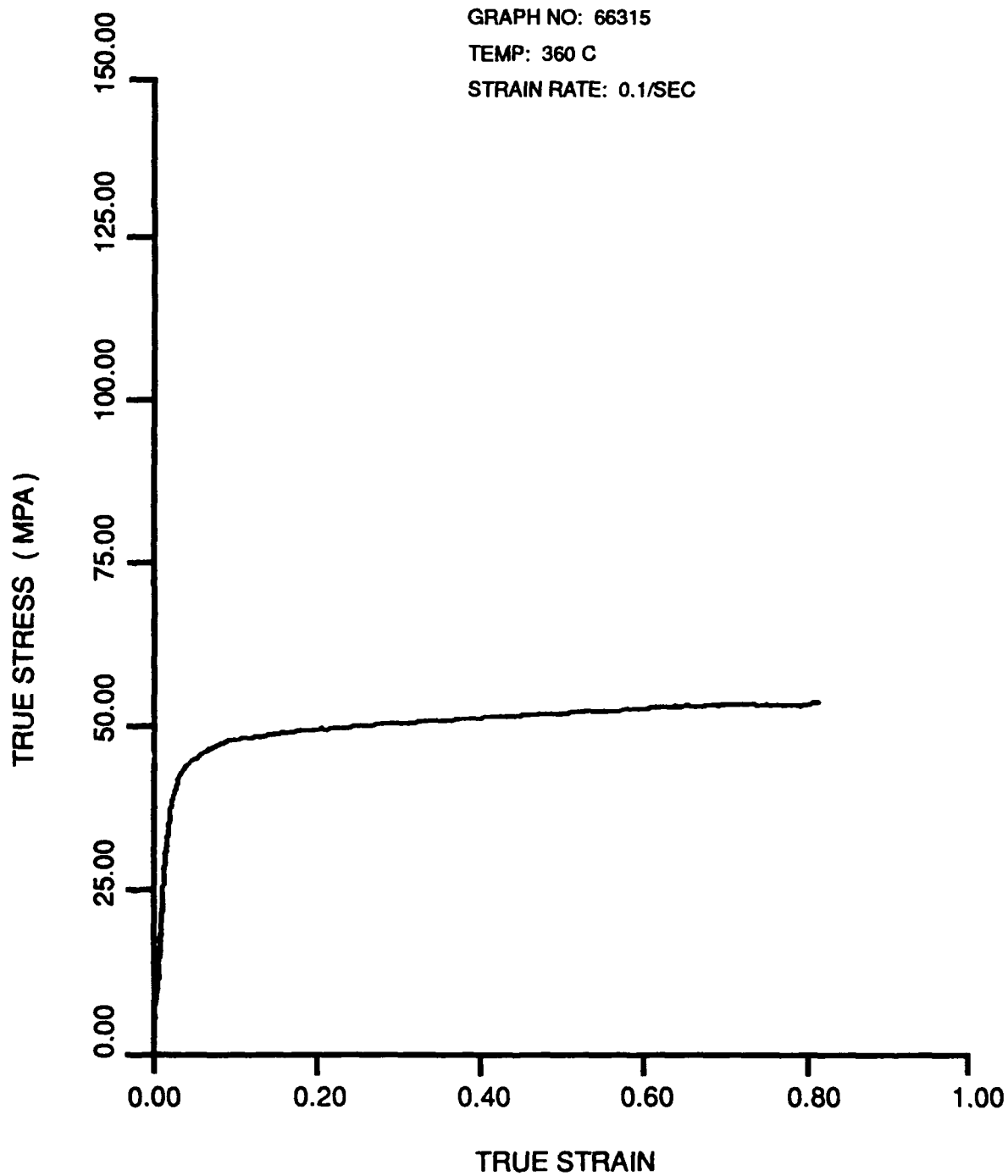
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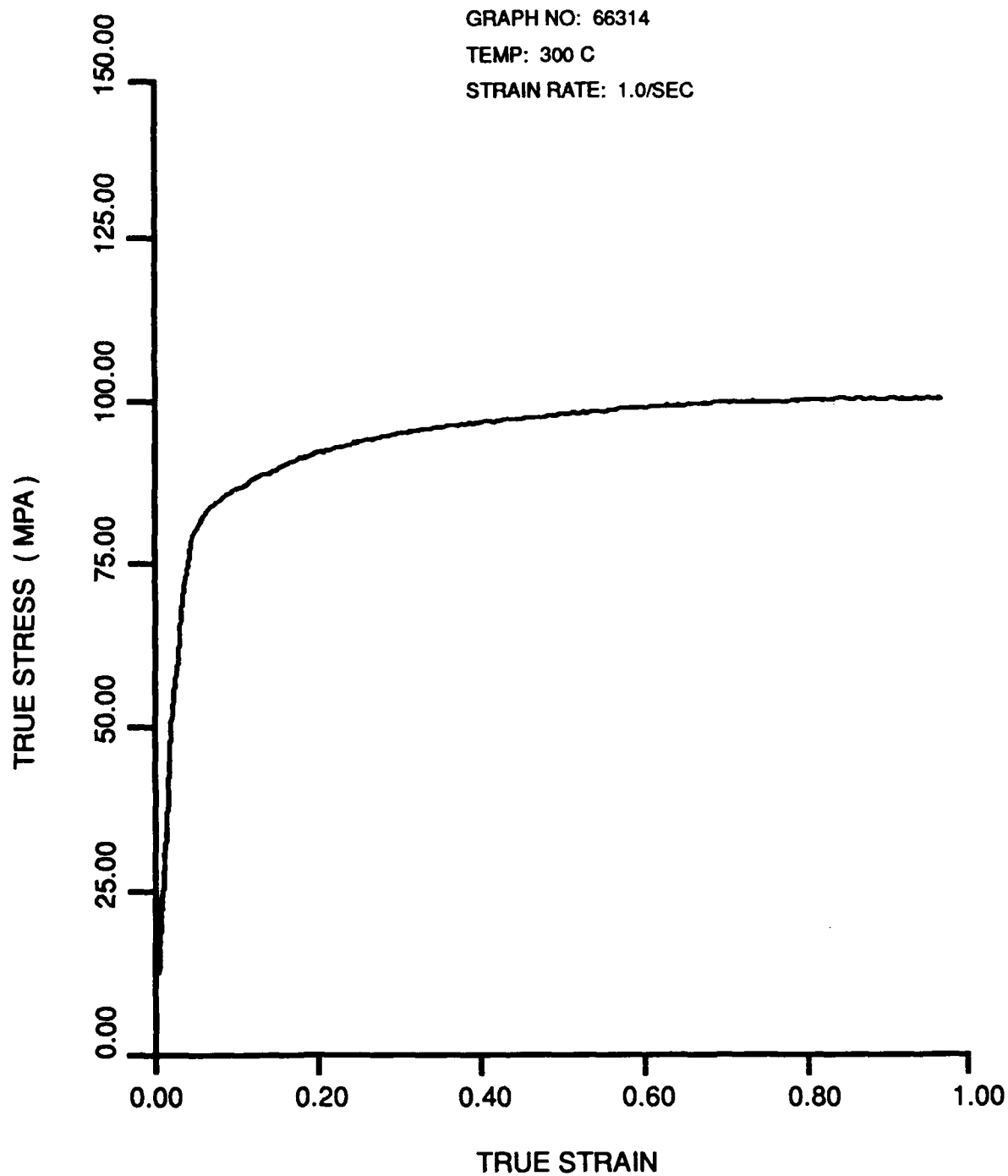
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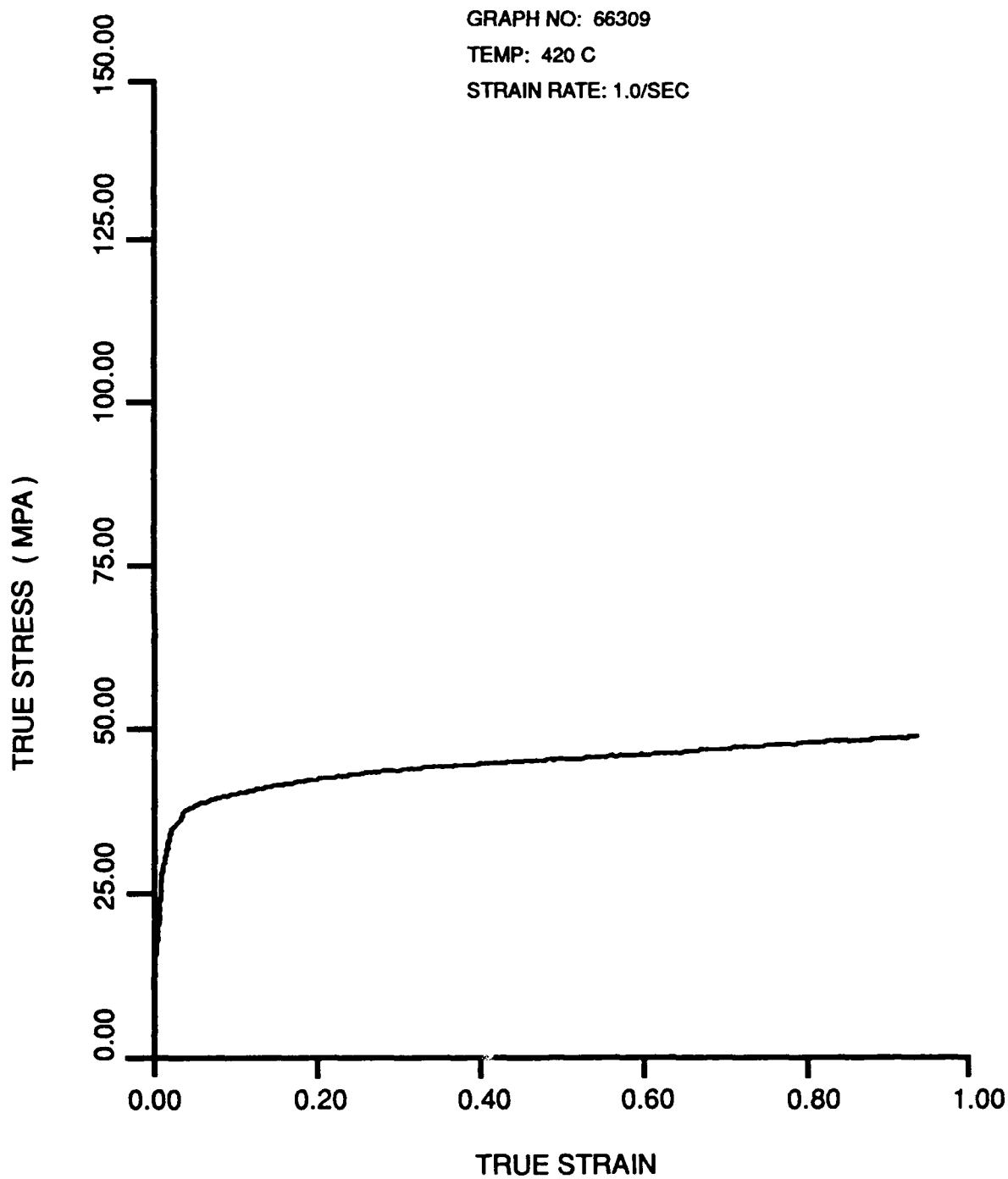
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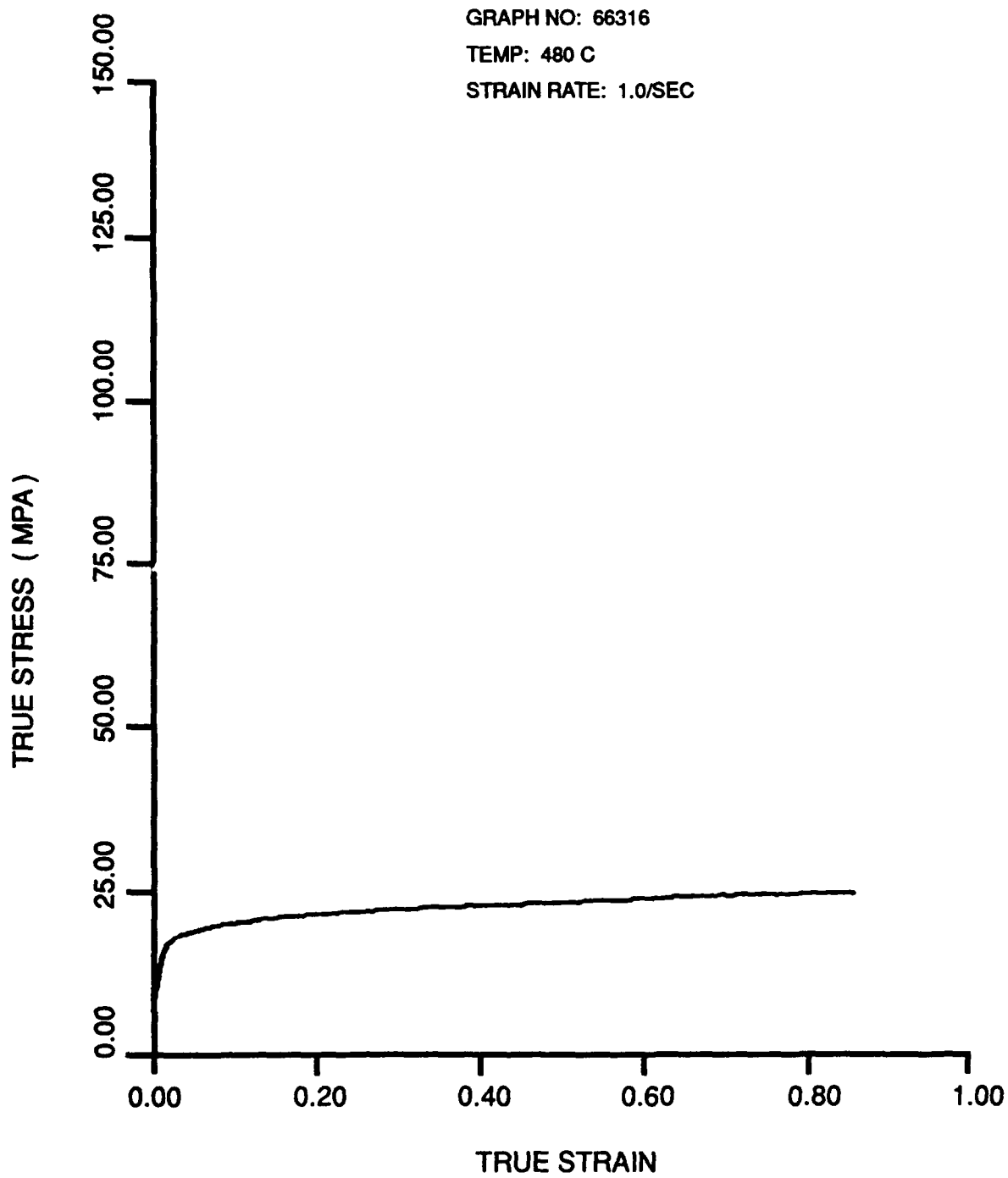
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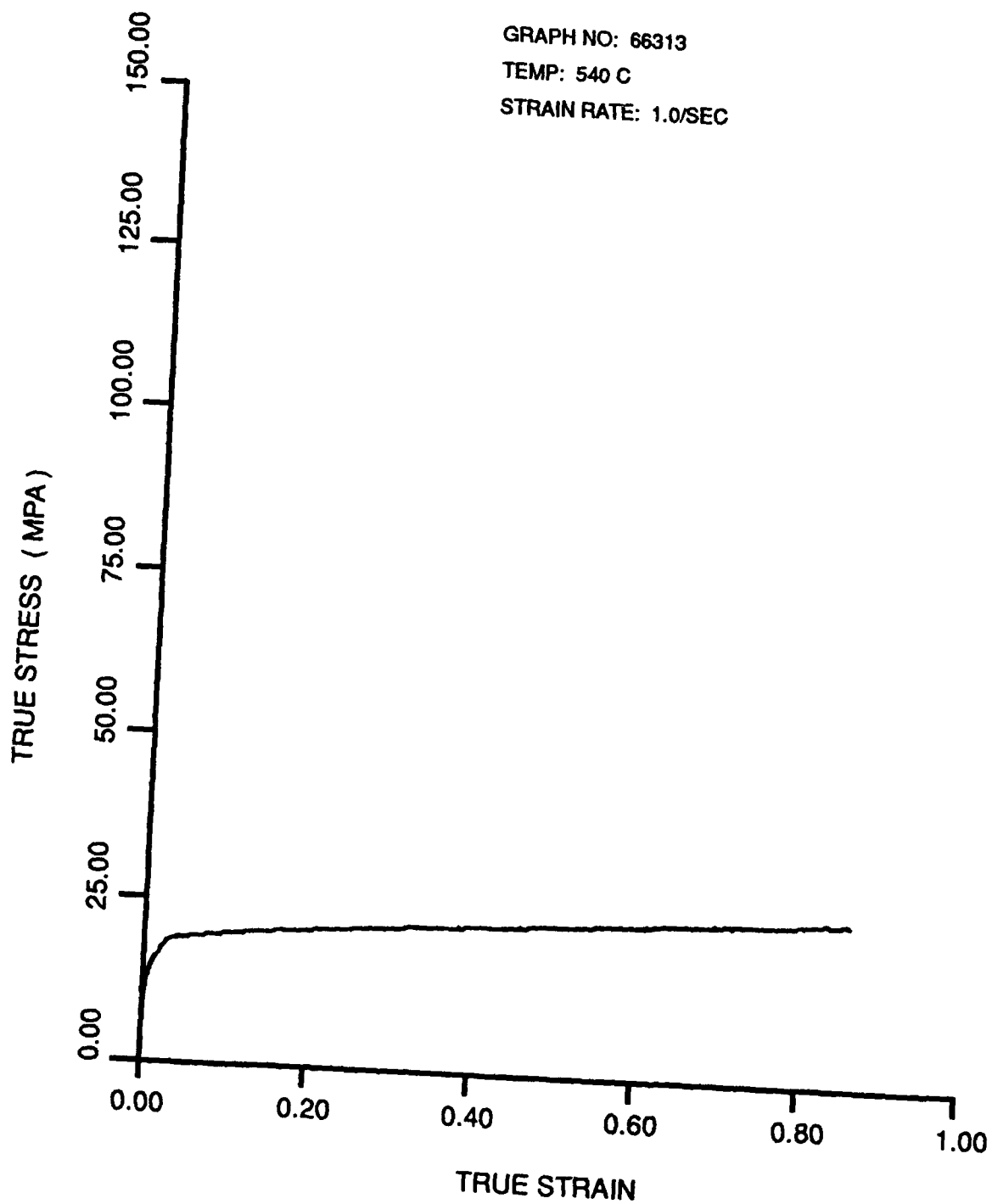
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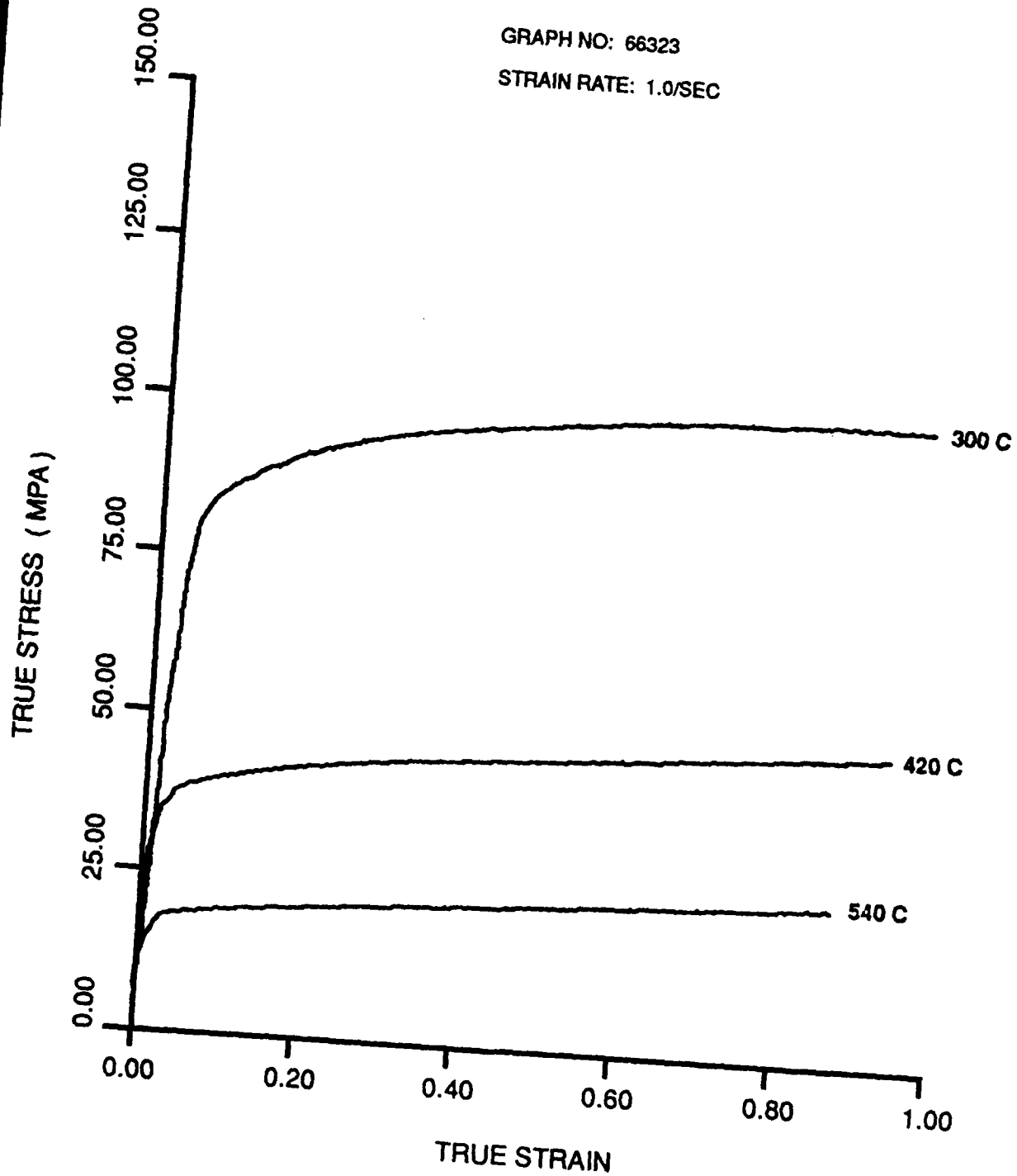


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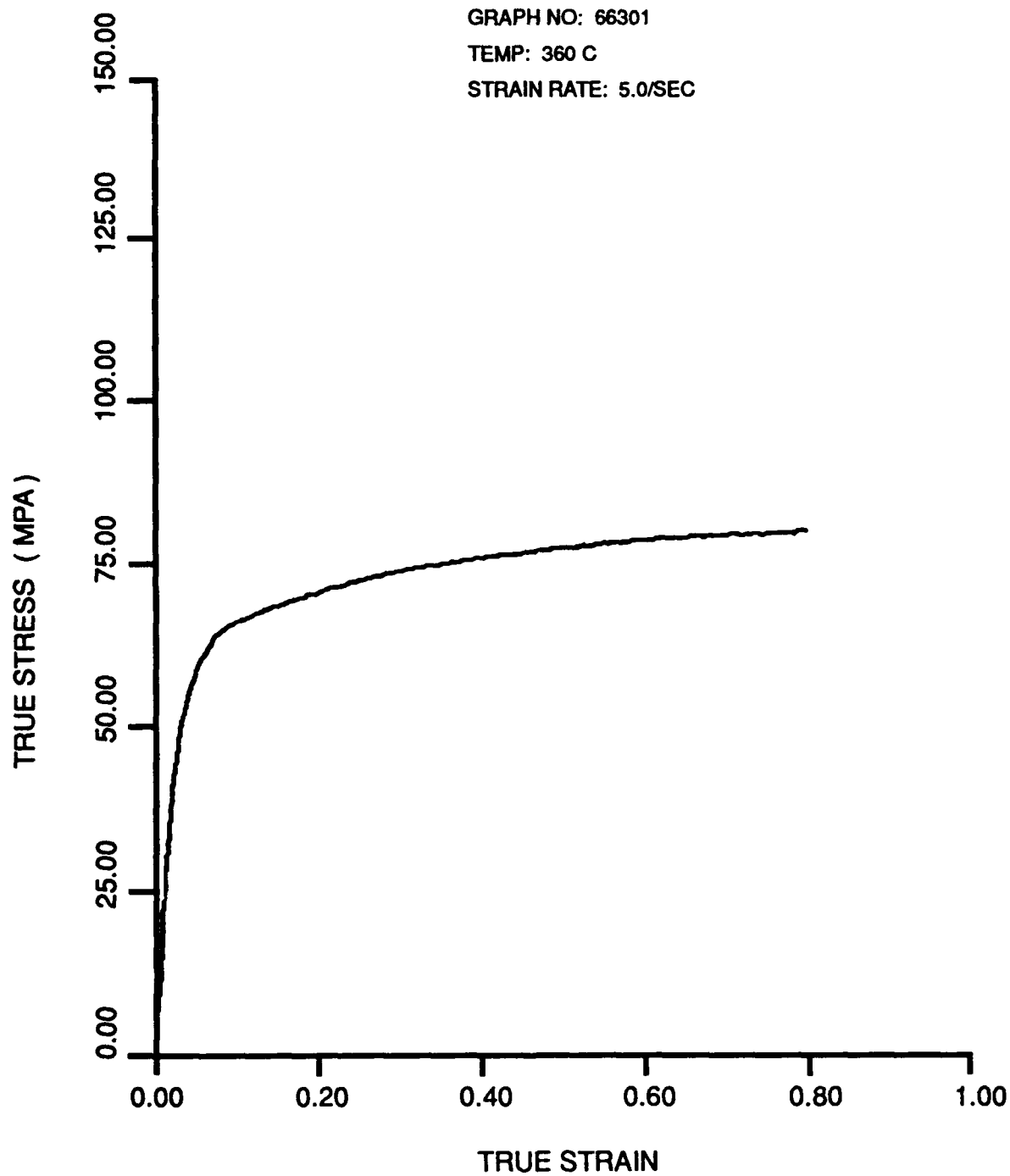


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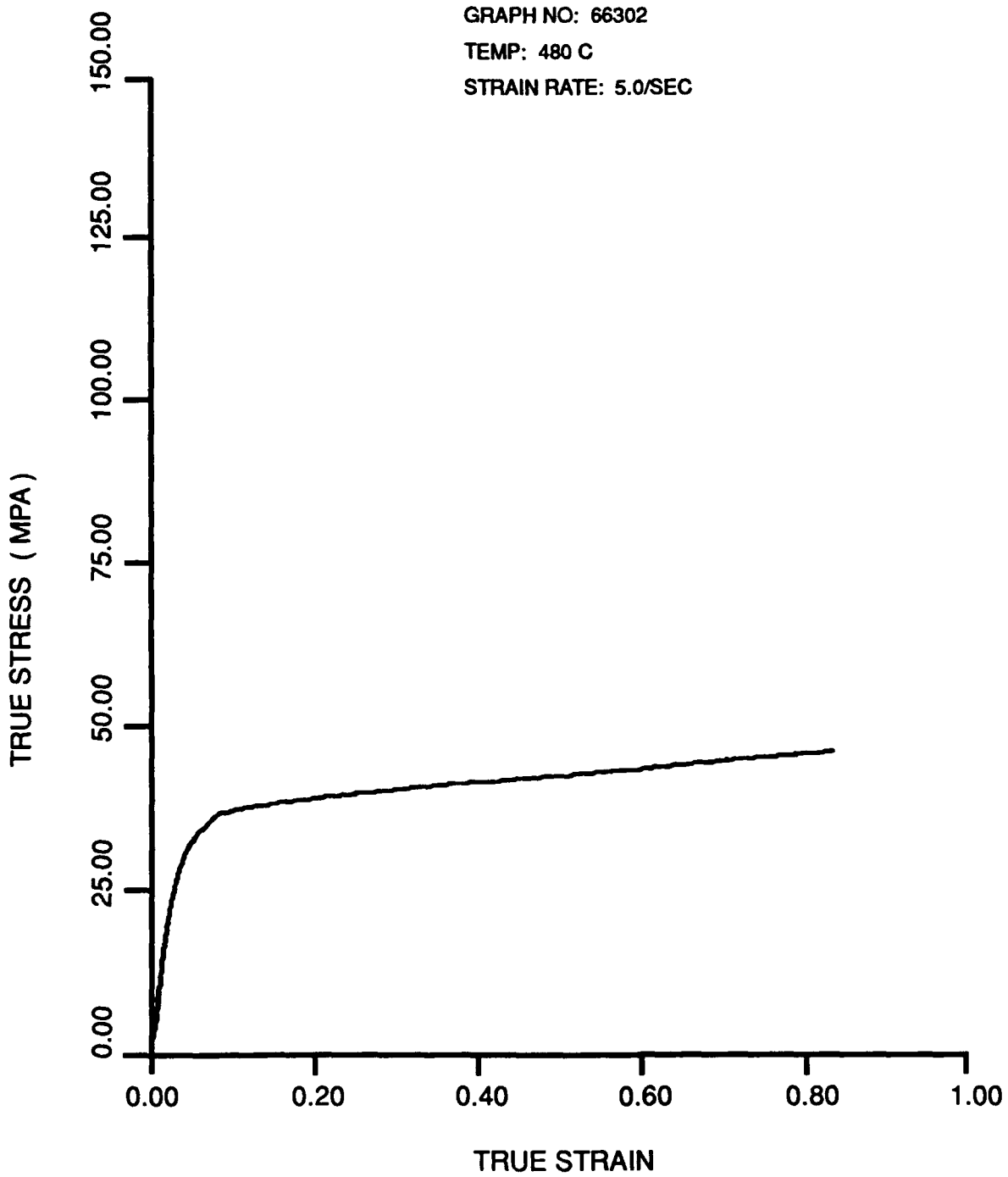
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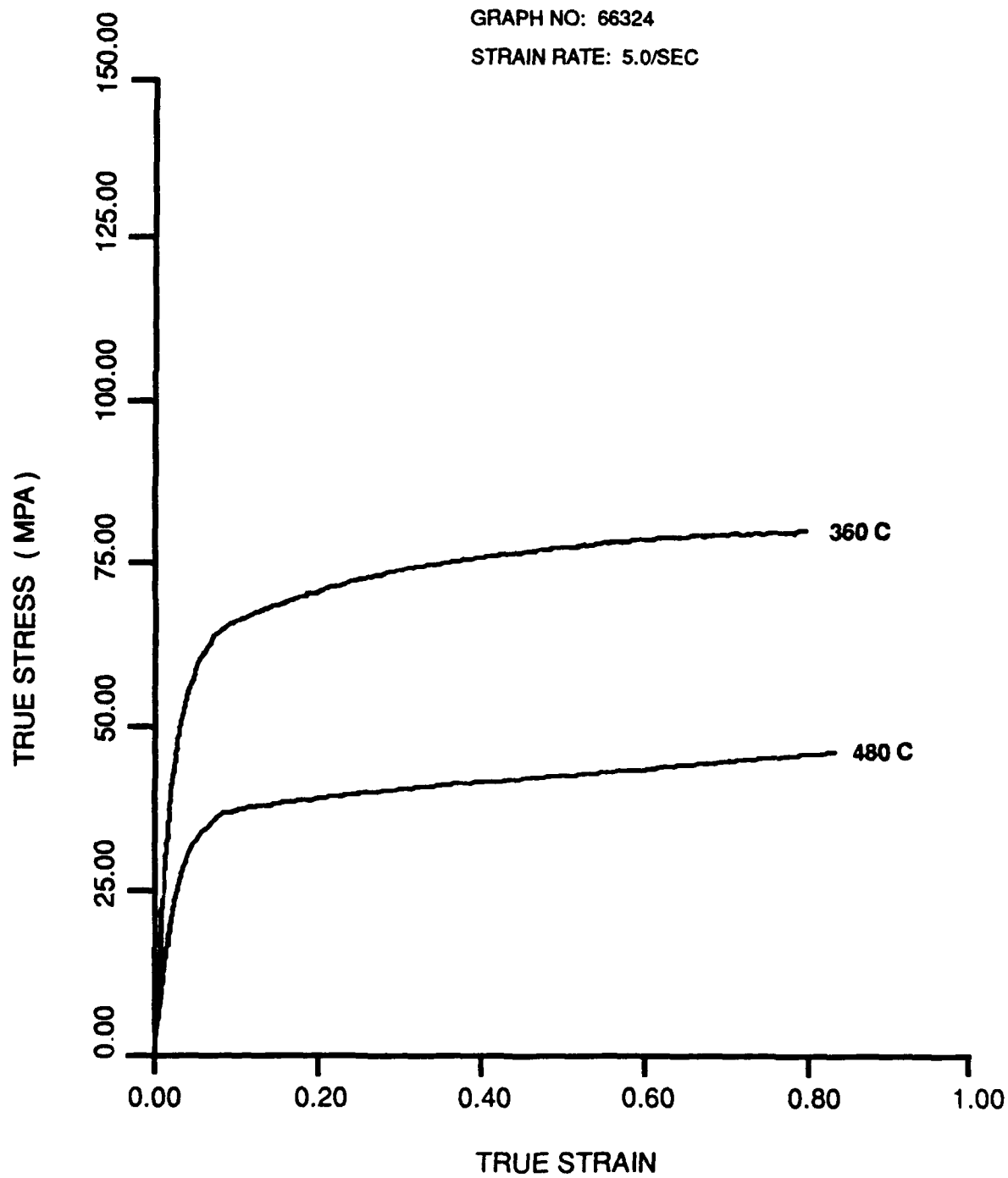
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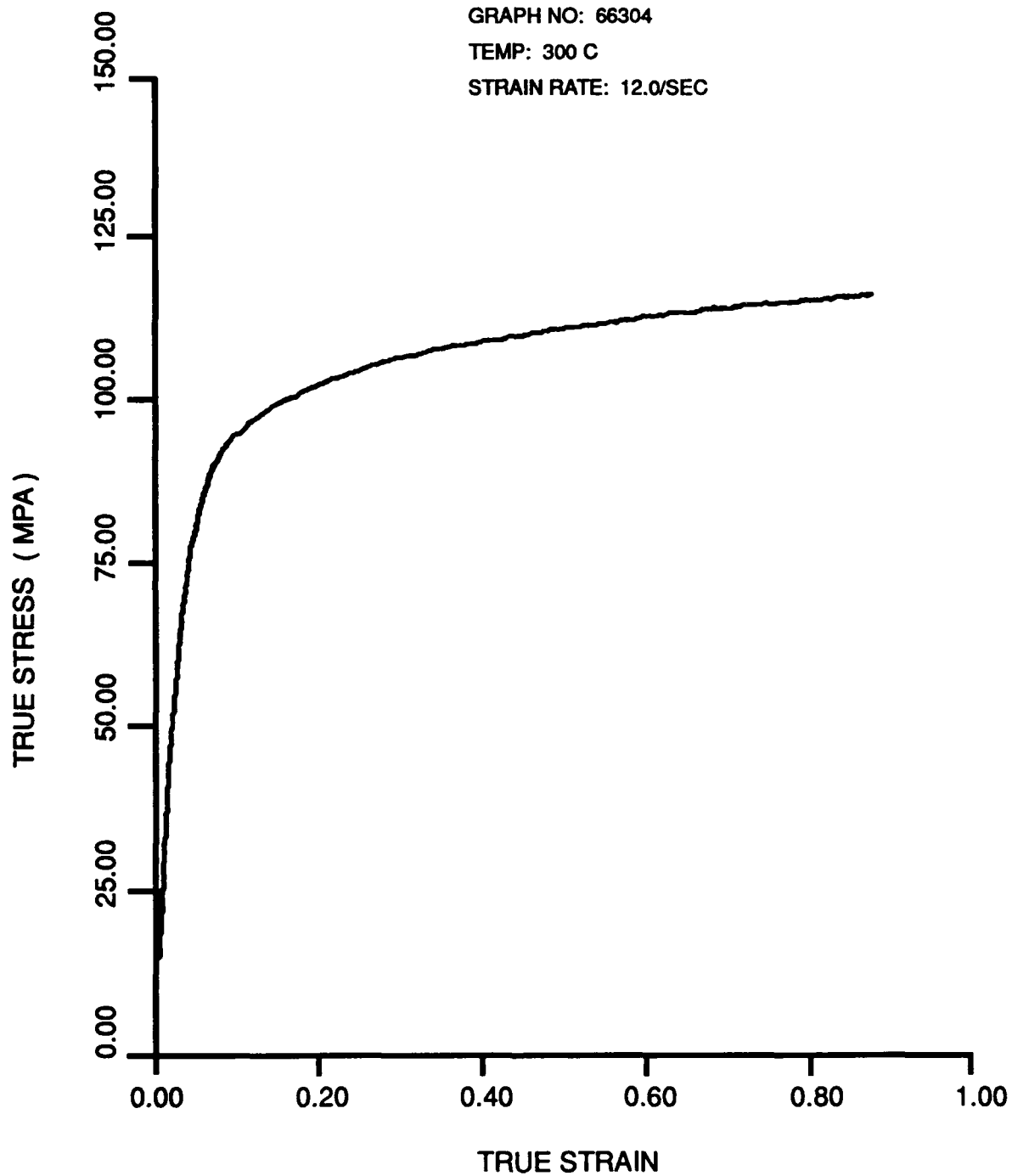
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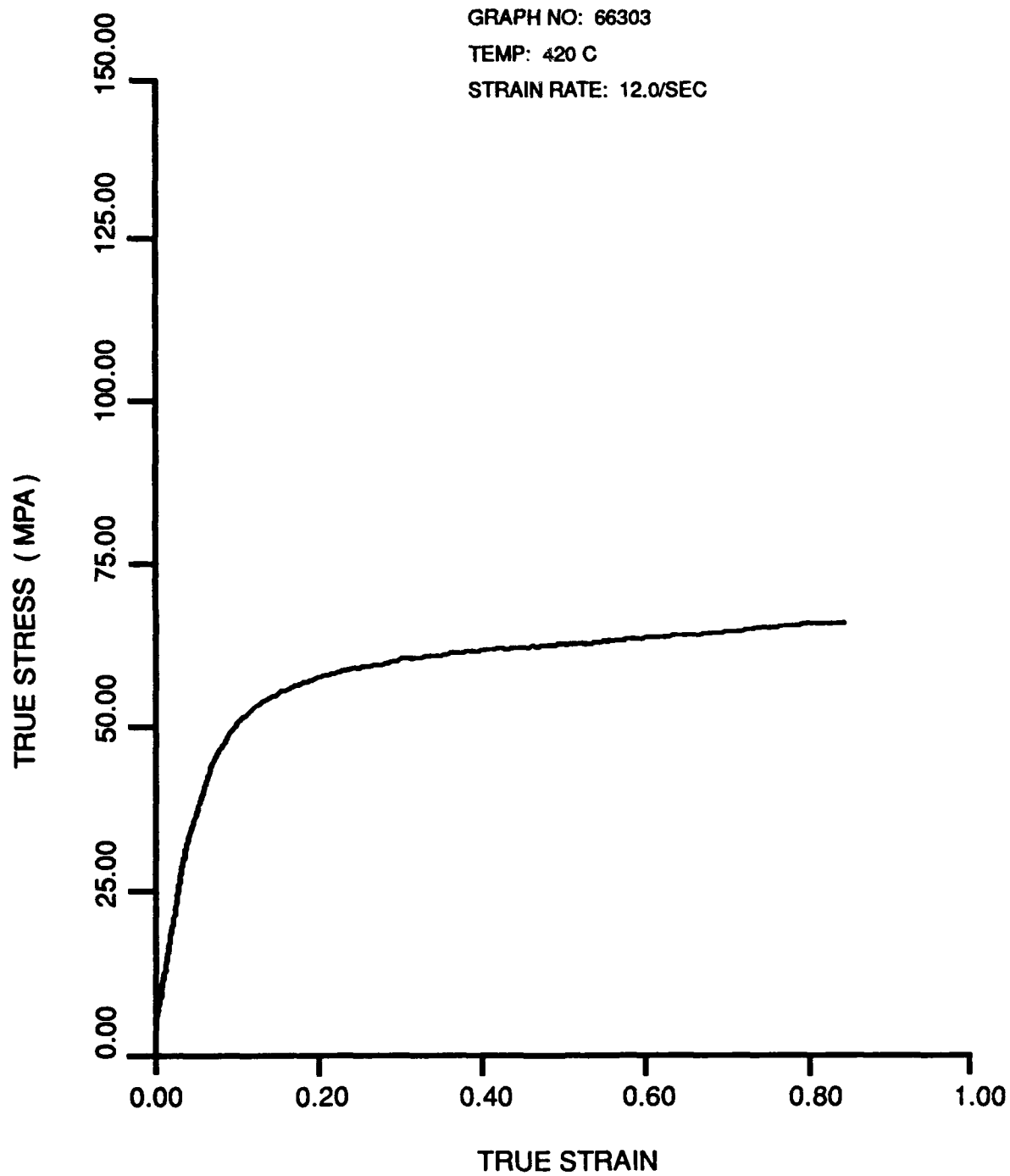
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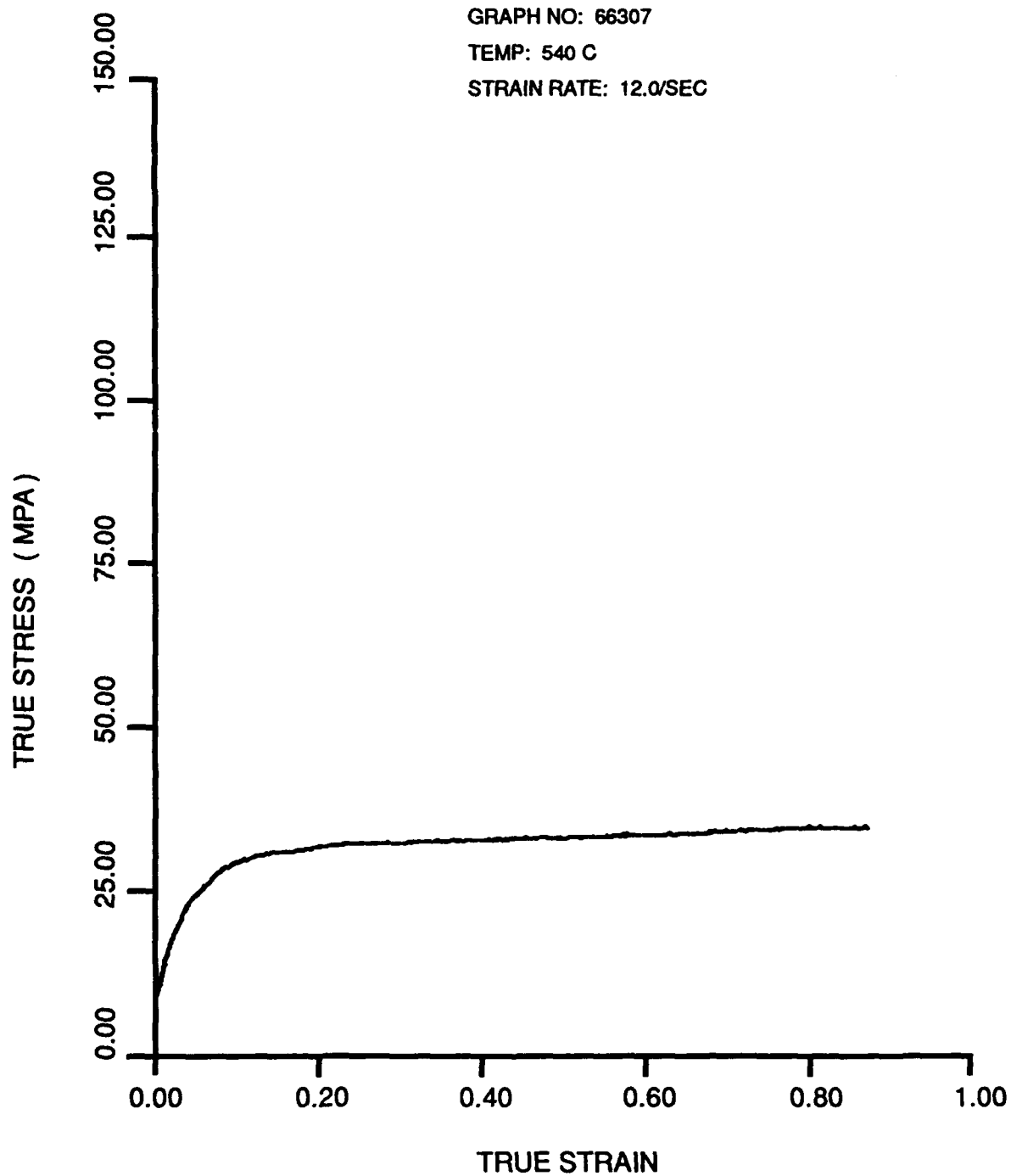
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